(a) what are the names of the Directors of Central Building Research Institute (CBRI) appointed during each of the last five years; the duration of their stay and the reasons for their leaving the CBRI;

(b) what are the details of their performances in the CBRI;

(c) what are the details of the publications published by CBRI during each of the last three years; and

(d) what are the details of expenditure incurred on CBRI and its various activities during each of the last three years?

THE MINISTER OF STATE IN THE MINISTRY OF CHEMICALS AND FERTILIZERS, PALIAMENTARY AFFAIRS, OCEAN DEVELOPMENT AND ELECTRONICS (SHRI EDUARDO FALEIRO): (a) and (b) The information is given in Annexure-1, (*See* Appendix 170, Annexure No. 69)

(c) The requisite details of the publications published by CBRI during the last three years are enlisted in Annexure-II. (*See* Appendix 170, Annexure 70)

(d) DETAILS OF EXPENDITURE (Rs. in lakhs)

Year	Recurring	Capital	Total
1990-91	347.158	89.342	436.500
1991-92	362.827	63.173	425.000
1992-93	430.428	41.235	471.659

3262. [*Transferred to 22nd April, 1994*].

Unethical Trials of Birth Control vaccine

3263. SHRI B. K. HARIPRASAD:
SHRI SATISH PRADHAN:

Will the PRIME MINISTER be pleased to state:

(a) whether it is a fact that the National Institute of Immunology, New Delhi was conducting on unethical trials of its birth control vaccine on unsuspecting women, if so, the number of women conducted so far;

(b) whether it is a fact that this birth control vaccine is harmful for women and affects the Pituitary or other target organs; if so, the number of women affected by such trials so far;

(c) whether Government propose to bring restrictions or control on Indian Council of Medical Research on the clinical trials of Vaccines; and

(d) whether Government would ask the Indian Council of Medical Research to lay down strict guidelines approved by the World Health Organisation for clinical trials of vaccines?

THE MINISTER OF STATE IN THE MINISTRY OF CHEMICALS AND FERTILIZERS, PARLIAMENTARY AFFAIRS AND IN THE DEPTTS. OF ELECTRONICS AND OCEAN DEVELOPMENT (SHRI EDUARDO FALERIO): (a) No Sir, the trials were approved by Expert Committee, including that of Indian Council of Medical Research. It had clearance of the Drugs Controller of India. Furthermore, the approval of the major National Institutions (Post Graduate Institute of Medical Education and Research, Chandigarh; All India Institute of Medical Sciences, New Delhi; and Safdarjang Hospital, New Delhi), in which these trials were conducted, had been taken before starting the trials.

(b) Extensive studies in 5 Centres in this country and also in Finland, Sweeden, Chile, Santo Domingo and Brazil have not shown a single case where the vaccine has been harmful to the women. There is no evidence of pituitary damage by any criteria. Before clinical trials were started, life long toxicology studies in monkeys revealed total lack of any pathology on the pituitary as a result of immunisation.

(c) and (d) The Indian Council of Medical Research has guidelines similar to those of the World Health Organisation. These guidelines have been strictly adhered to while conducting clinical trials of this vaccine which has many meritorious characteristics and further development of vaccine would continue as per the prescribed protocols.

Setting up of Modern Nework o Monitor Quakes in Latur

3264. SHRI B. K. HARIPRASAD: Will the PRIME MINISTER be pleased to state:

(a) whether it is fact that a modern network, with latest imported equipment, is being set up to intensively monitor, even minor tremor in quake hit Latur area of Maharashtra as reported in Deccan Herald, dated the 5th January, 1994;

(b) what are the salient findings of the expert committee headed by Dr. B. K. Rao which inquired into the Latur earthquake; and

(c) whether it is a fact that the Himalayan region has been studied extensively for seismicity, while the peninsular region, in which Maharashtra-Karnataka quake-prone belt falls was not fully studied or monitored?

THE MINISTER OF STATE IN THE MINISTRY OF CHEMICALS AND FERTILIZERS, PARLIAMENTARY AFFAIRS AND IN THE DEPARTMENTS OF ELECTRONICS AND OCEAN DEVELOPMENT (SHRI EDUARDO FALEIRO): (a) A Project has been formulated by the Department of Science and Technology (DST) to establish a network of seismic observatories equipped with modern seismographs with special emphasis on Deccan Plateau including Lature area of Maharashtra. A permanent modern seismological observatory has already been set up by the India Meteorological Department at Latur on Dec. 20, 1993.

(b) Major findings of the Committee indicate that the following actions are to be taken:

—Modernisation and expansion of seismological network in peninsular shield to monitor the earthquakes down to magniture 3.

—Undertaking of integrated surveys using remote sensing and other geophysical methods to map lineaments and other possible seismogenic features.

—Establishment of a centralised data centre.

—Strengthening of manpower by providing suitable training facilities.

—Establishment of an overseeing and coordinating mechanism for seismological activities in the country.

(c) The Himalayan region which is a part of the Alpine-Himalayan seismic belt, is seismically active and is closely monitored. Peninsular region is also monitored through national and local seismological networks including a modern array station. However, since the region is relatively less active, the network is not very dense.

Patenting of Micro-Organisms

3265. SHRI N. GIRI PRASAD: Will the PRIME MINISTER be pleased to state:

(a) whether it is a fact that a Delhi based environmental organisation 'Kalpavriksh' has given shocking evidence about patenting of micro-organisms collected by US firms from India; and

(b) if so, the details thereof and what steps are being taken to demand repatriation of samples of bio-diversity taken from India in the past?

THE MINISTER OF STATE IN THE MINISTRY OF CHEMICALS AND FERTILIZERS, PARLIAMENTARY AFFAIRS AND IN THE DEPARTMENTS OF ELECTRONICS AND OCEAN DEVELOPMENT (SHRI EDUARDO FALEIRO): (a) and (b) The Pioneer News Paper report of 14.2.1994 had quoted about the information provided by 'Kalpavriksh', and Indian Non-Governmental Environmental Group, that according to a Canadian Research and